

**40760****Prepare for the installation of a complex glazing system**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	30
<b>Whāinga   Purpose</b>	<p>This skill standard is for people working in the glazing industry who intend to lead complex glazing system installations.</p> <p>This skill standard recognises the knowledge and skills required to prepare for the installation of a complex glazing system.</p> <p>This skill standard may contribute to the New Zealand glazing qualifications at Level 5 and above.</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Analyse documentation to prepare for the installation of complex glazing systems.	a. Glass type, dimensions, and components are confirmed as accurate from job documentation.
	b. Installation methods are interpreted from manufacturers' specifications.
2. Communicate to prepare for the installation of a complex glazing system.	a. Job stages and responsibilities for planned installation tasks are communicated to team members.
	b. Stakeholders are communicated with to confirm installation and site requirements.
3. Assess the job site to prepare for the installation of a complex glazing system.	a. Access and storage needs are identified to maintain site safety.
	b. Pre-installation checks of material quality and quantities, the site, and structure are carried out.
	c. Site specific safety plans and job safety analyses are developed to identify and communicate safety requirements for the installation.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria*****Assessment specifications:***

Evidence generated for assessment against this standard must be drawn from a complex glazing system installation project undertaken by the candidate and verified by a competent person who has current expertise in complex glazing installation projects. Complex glazing installation projects include those with higher risk, at height, requiring problem solving, requiring moving equipment, alternative solutions, proprietary systems, or where a system is outside a proprietary system.

***Definition***

*Complex glazing systems* may refer to glass installations that use multiple panels of toughened glass and require installation in a complex situation. These may include engineered canopies and facades; complex frameless systems balustrades that are curved, along stairways, and multi-level; glass floors and stair treads.

***Ngā momo whiwhinga | Grades available***

Achieved.

**Ihirangi waitohu | Indicative content****Documentation for complex glazing**

- Architectural plans and specifications.
- Acoustic reports.
- Wind loading report.
- Producer statements.
- Manufacturers' specifications.
- Engineering reports and requirements.
- Project estimations.
- Contracts.
- Project schedules.

**Construction knowledge**

- Existing substrates.
- Product compatibilities.
- Structural elements.
- Openings.
- Watertightness.
- Weatherproofing.

**Measurement**

- Manual and digital measuring equipment.
- Advanced methodology.

### Product assessment

- Glass types and properties.
- Composition.
- Dimensions and weight.
- Tolerances - manufacturing and structural.
- Glazing systems installation methodologies.
- Product is fit for purpose.

### On-site assessment

- Job safety analyses.
- Hazard identification and management.
- Site-specific safety plans.
- Site inductions.
- Material safety data sheets.
- Installation site is ready for installation.
- Operational safety zones around glazing installation.
- Task analysis, hazard and risk identification, risk management techniques.
- Implementation of risk management and planned use of safety equipment and personal protective equipment.
- Temporary traffic management rules, signage requirements and glazier responsibilities.
- Weather conditions.

### Operational

- Machinery and equipment requirements.
- Moving and lifting requirements, capacity, and certification.

### Rauemi | Resources

Programme guidance available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz)

### Pārongo Whakaū Kounga | Quality assurance information

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Planning and Construction > Construction Trades > Glazing
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0120

Hātepe   Process	Putanga   Version	Rā whakaputa   Review Date	Rā whakamutunga mō te aromatawai   Last date for assessment
Rēhitatanga   Registration	1	28 August 2025	N/A
Kōrero whakakapinga   Replacement information	N/A		
Rā arotake   Planned review date	31 December 2030		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.